

# DOE Industrial Technologies Program

# E-Bulletin

A Monthly Update from the U.S. Department of Energy Industrial Technologies Program

April 2004

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Welcome to this edition of the *E-Bulletin*—your connection to news and resources from DOE's Industrial Technologies Program (ITP). Each monthly edition brings you the latest industrial news highlights, and announcements about new tools and resources, training, events, and project opportunities.

Read the *E-Bulletin* and tap into opportunities to improve industrial energy efficiency today...and tomorrow!

## HEADLINES

### **DOE Seeks Project Integrator for Innovative Energy Systems Challenge**

ITP, EERE and [Chemical Vision2020](#) have established a pilot project that will last up to five years to identify and develop technologies to improve energy efficiency and enhance productivity in the chemical industry. With this solicitation, DOE seeks a Project Integrator to help identify R&D project proposals. Review the [Opportunities for Innovative Energy Systems Challenge](#), and read [Innovative Energy Systems Challenge](#) solicitation.

### **ITP Corporate Peer Review Presentations**

ITP held its first Corporate Peer Review on March 9-10, 2004 in Arlington, VA, bringing industry and government partners together to review the mission, strategies and future direction of the various R&D portfolios. Input and feedback will help ITP improve the multi-year plans of each of its components, determine the technical barriers faced by industry, and sharpen its focus as it pursues its mission. [Review the proceedings and presentations.](#)

### **IOF Chemical and Forest Products Portfolio Peer Reviews**

ITP's Industries of the future (IOF) Portfolio Peer Reviews provide opportunities to highlight and evaluate current R&D projects, and bring together research and commercialization partners. Plan to attend the [Chemical Portfolio Peer Review](#) at the AIChE Spring Meeting on April 25-29, 2004, and the [Forest Products Portfolio Peer Review](#) at the TAPPI 2004 Paper Summit on May 3-6, 2004 in Atlanta, GA.

### **Energy Loss Reduction and Recovery in Energy Systems Roadmapping Workshop**

ITP has invited experts in industrial energy systems and processes to attend a workshop on April 29, 2004 in Baltimore, MD. The goal is to identify industry's top priorities for energy systems, and to discuss R&D opportunities to reduce and recover energy loss across industry. ITP welcomes input and comments from observers and in response to the resulting draft roadmap. To attend, please [register](#) by April 15, 2004.

### **DOE to Announce Plant-Wide Assessment Financial Opportunity**

ITP and EERE will soon release a solicitation seeking public/private partnerships to conduct plant-wide assessments (PWA) for U.S. energy-intensive industrial plants. Read more about how [PWAs](#) can help your company save energy and learn about companies that have been awarded PWA cost-shared funds. [Find out more.](#)

### **Maxon M-Pakt Burner Reduces NO<sub>x</sub> and CO Emissions By Up to 95%**

The [M-PAKT Ultra Low Emissions Burner](#), Model #2500, is a new burner technology developed by the [Maxon Corporation](#) with ITP sponsorship. The new burner produces up to 95% less NO<sub>x</sub> and CO emissions than conventional burners. The principal underlying the burner's performance, low swirl premixed combustion, was developed with DOE funding by [Lawrence Berkeley National Laboratory](#).



U.S. Department of Energy

Energy Efficiency and Renewable Energy

Bringing you a prosperous future where energy is clean, abundant, reliable, and affordable

## NEW PRODUCTS AND RESOURCES FROM ITP

ITP offers technical publications, software tools, and other resources to help address your company's industrial energy needs. Here are the latest products from ITP:

### ***Read Energy Matters Winter 2004 Issue***

The latest issue of [Energy Matters](#) is now available! Read how a Florida manufacturer drastically cut its electricity use with the help of the University of Miami's Industrial Assessment Center. Find out how training can foster good habits in your company's employees, which can improve efficiency, safety, and the bottom line. And find out how to achieve immediate savings by taking a systems approach to compressed air. [Subscribe to Energy Matters.](#)

### ***Download NEAT Software Tool***

BestPractices introduces the NOx and Energy Assessment Tool (NEAT), a new software tool to help plants in the petroleum refining and chemical industries assess and analyze NOx emissions from industrial equipment and determine the most effective application energy efficiency improvements. NEAT is the latest in ITP BestPractices suite of assessment and tools for improving energy system performance and efficiency. Download [NEAT](#) and ITP's other software tools.

***Visit the [ITP Web site](#) for more BestPractices technical publications, software tools, and case studies to help you improve efficiency, productivity, and the bottom line.***

## OTHER RELATED EERE ACTIVITIES

In addition to resources developed through ITP, you may be interested in other related developments throughout DOE's Office of Energy Efficiency and Renewable Energy. [Find out more.](#)

## TRAINING

Boost your knowledge about managing industrial energy systems. ITP offers technical training in industrial energy systems, which is offered throughout the year and around the country. Here are upcoming training events for March 2004:

|                |  |               |
|----------------|--|---------------|
| April 1, 2004  | <a href="#">Steam System Improvement (End User)</a>    | Houston, TX   |
| April 6, 2004  | <a href="#">Fundamentals of Compressed Air Systems</a> | Houston, TX   |
| April 14, 2004 | <a href="#">Fundamentals of Compressed Air Systems</a> | Reno, NV      |
| April 19, 2004 | <a href="#">Electric Motor Systems (End User)</a>      | Baltimore, MD |
| April 19, 2004 | <a href="#">Pumping System Assessment (End User)</a>   | Wallula, WA   |

[More trainings in April...](#)

***View the [ITP calendar](#) for upcoming workshops in your area. Learn more about [BestPractices training sessions](#) and system software tools.***

## PROJECT OPPORTUNITIES

ITP awards cost-shared funding for R&D and plant assessment projects through a competitive merit review process. Open solicitations are:

### ***DOE to Announce Plant-Wide Assessment Financial Opportunity***

ITP is seeking public-private partnerships to conduct plant-wide assessments in U.S. industrial plants. Priority will be given to sites in the following industries: agriculture, aluminum, cement, chemicals, food-processing, forest products, glass, metal casting, mining, petroleum, and steel. Watch for the upcoming [solicitation](#).

### ***Innovative Energy Systems Challenge Solicitation***

DOE, EERE and [Chemical Vision2020](#) are sponsoring an R & D competition to foster and commercialize energy-efficient systems within the chemical industry. Innovations in these systems could increase productivity and energy efficiency, and reduce costs in chemical plants worldwide. Review the [solicitation](#).

### ***Aluminum IOF FY04 Solicitation***

ITP Aluminum IOF issued its FY2004 solicitation on March 23, 2004. ITP seeks applications for cost-shared research and development of technologies which will reduce energy consumption, environmental impacts, and enhance economic competitiveness of the domestic aluminum industry. Review the [solicitation](#).

***To learn more about project opportunities visit [ITP's solicitation page](#).***

## Related Web Links

|   |  |
|---|--|
| <a href="#">Industrial Technologies Program</a> | <a href="#">DOE Office of Energy Efficiency and Renewable Energy</a> |
| <a href="#">U. S. Department of Energy</a>      | <a href="#">Climate VISION</a> <a href="#">Energy Savers</a>         |